

Run on: October 18, 2004, 14:39:39 ; Search time 40 Seconds
(without alignments)
348.170 Million cell updates/sec

Perfect score: 1166
Sequence: 1 MKENVASATVFTLLFLNTC.....KILSLHPGQKYLQVQRCKPD 210

Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 478139

Maximum DB seq length: 2000000000

Maximum Match 100%
Listing first 45 summaries

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1: /cgn2_6/proData1/1aa/5A_COMB.pgp.*
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3: /cgn2_6/proData1/1aa/6A_COMB.pgp.*
4: /cgn2_6/proData1/1aa/6B_COMB.pgp.*
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SUMMARIES

Result No.	Score		Query		Length	DB	ID	Description
	Score	Match	Query					
1	1155.5	99.1	349	3	US-08-806-597A-14			Sequence 14, Appl
2	1155.5	99.1	349	3	US-08-970-428A-14			Sequence 14, Appl
3	1042.5	89.4	599	3	US-09-000-145-2			Sequence 2, Appl
4	863.5	74.1	593	3	US-09-000-145-4			Sequence 6, Appl
5	809.5	69.5	592	3	US-09-000-145-6			Sequence 8, Appl
6	679	58.2	134	3	US-08-806-597A-8			Sequence 8, Appl
7	679	58.2	134	3	US-08-970-428A-8			Sequence 8, Appl
8	387	33.2	118	3	US-08-806-597A-4			Sequence 4, Appl
9	387	33.2	118	3	US-08-970-428A-4			Sequence 4, Appl
10	237	25.5	389	3	US-09-071-224-25			Sequence 25, Appl
11	297	25.5	389	3	US-09-071-224-26			Sequence 26, Appl
12	286	25.4	303	3	US-09-071-224-21			Sequence 21, Appl
13	286	25.4	385	3	US-09-071-224-20			Sequence 20, Appl
14	236	25.4	388	3	US-09-071-224-17			Sequence 17, Appl
15	236	25.4	389	3	US-09-071-224-27			Sequence 27, Appl
16	236	25.4	389	3	US-09-071-224-31			Sequence 31, Appl
17	236	25.4	422	3	US-09-071-224-2			Sequence 2, Appl
18	235	25.3	389	3	US-09-071-224-30			Sequence 30, Appl
19	234	25.2	389	3	US-09-071-224-24			Sequence 24, Appl
20	234	25.2	389	3	US-09-071-224-28			Sequence 28, Appl
21	234	25.2	389	3	US-09-071-224-29			Sequence 29, Appl
22	233	25.1	303	3	US-09-071-224-23			Sequence 23, Appl
23	233	25.1	389	3	US-09-071-224-22			Sequence 22, Appl
24	233	25.1	392	3	US-09-071-224-18			Sequence 18, Appl
25	233	25.1	422	4	US-09-866-028-32			Sequence 32, Appl
26	233	25.1	422	4	US-09-944-457-32			Sequence 32, Appl
27	233	25.1	425	3	US-09-071-224-4			Sequence 4, Appl

QY 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-QMGSSFSDELYVD 119
 DB 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
 QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEW 179
 DB 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEW 180
 QY 180 EIHFGAQOTEFKILSLHPGQKYLQVVRCKPD 210
 DB 181 EIHFGAQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 2

US-08-970-428A-14
 ; Sequence 14, Application US/08970428A
 ; Patent No. 6083753
 ; GENERAL INFORMATION:
 ; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
 ; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BROWDY AND NEIMARK
 ; STREET: 419 Seventh Street, N.W., Suite 300
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20004
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/970,428A
 ; FILING DATE: 14-NOV-1997
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/012,503
 ; FILING DATE: 29-FEB-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/806,597
 ; FILING DATE: 26-FEB-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: YUN, Allen C.
 ; REGISTRATION NUMBER: 37,971
 ; REFERENCE/DOCKET NUMBER: KELLY=1B
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-628-5197
 ; TELEFAX: 202-737-3528
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 349 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-970-428A-14

Query Match 99.1%; Score 1155.5; DB 3; Length 349;
 Best Local Similarity 99.5%; Pred. No. 2.2e-116;
 Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
 DB 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
 QY 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-QMGSSFSDELYVD 119
 DB 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
 QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEW 179
 DB 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEW 180

QY 180 EIHFGAQOTEFKILSLHPGQKYLQVVRCKPD 210
 DB 181 EIHFGAQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 3

US-09-000-145-2
 ; Sequence 2, Application US/09000145
 ; Patent No. 6169172
 ; GENERAL INFORMATION:
 ; APPLICANT: DEVAUCHELLE, Gerrard
 ; APPLICANT: GARNIER, Laurence
 ; APPLICANT: CAHOREAU, Claire
 ; APPLICANT: CERUTTI, Martine
 ; TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR
 ; TITLE OF INVENTION: INTRACITOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION
 ; FILE REFERENCE: 0384-0047-0XPCT
 ; CURRENT APPLICATION NUMBER: US/09/000,145
 ; CURRENT FILING DATE: 1998-03-16
 ; EARLIER APPLICATION NUMBER: PCT/FR96/01237
 ; EARLIER FILING DATE: 1996-08-02
 ; EARLIER APPLICATION NUMBER: FR 95/09420
 ; EARLIER FILING DATE: 1995-08-02
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 599
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-000-145-2

Query Match 89.4%; Score 1042.5; DB 3; Length 599;
 Best Local Similarity 99.5%; Pred. No. 7.6e-104;
 Matches 187; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 24 GOLPEKPEIFKCRSPNKETFTCWRRPGTDGGLPTNYSLTVHREGTLMHRCPPDYITGGP 83
 DB 1 GOLPEKPEIFKCRSPNKETFTCWRRPGTDGGLPTNYSLTVHREGTLMHRCPPDYITGGP 60
 QY 84 NSCHFQKQYTSWRTYIMMNNAT-QMGSSFSDELYVDVTYIVQDPPLLEAVEVKQPEDR 142
 DB 61 NSCHFQKQYTSWRTYIMMNNATQMGSSFSDELYVDVTYIVQDPPLLEAVEVKQPEDR 120
 QY 143 KPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEWEIFHFGAQOTEFKILSLHPGQKYL 202
 DB 121 KPYLWIKWSPPTLIDLKTGWFLLYEIRLKPKEAAEWEIFHFGAQOTEFKILSLHPGQKYL 180
 QY 203 QVVRCKPD 210
 DB 181 QVVRCKPD 188

RESULT 4

US-09-000-145-4
 ; Sequence 4, Application US/09000145
 ; Patent No. 6169172
 ; GENERAL INFORMATION:
 ; APPLICANT: DEVAUCHELLE, Gerrard
 ; APPLICANT: GARNIER, Laurence
 ; APPLICANT: CAHOREAU, Claire
 ; APPLICANT: CERUTTI, Martine
 ; TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR
 ; TITLE OF INVENTION: INTRACITOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION
 ; FILE REFERENCE: 0384-0047-0XPCT
 ; CURRENT APPLICATION NUMBER: US/09/000,145
 ; CURRENT FILING DATE: 1998-03-16
 ; EARLIER APPLICATION NUMBER: PCT/FR96/01237
 ; EARLIER FILING DATE: 1996-08-02
 ; EARLIER APPLICATION NUMBER: FR 95/09420
 ; EARLIER FILING DATE: 1995-08-02
 ; NUMBER OF SEQ ID NOS: 6
 ; SOFTWARE: PatentIn ver. 2.0
 ; SEQ ID NO 4

; LENGTH: 593
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-000-145-4

Query Match 74.1%; Score 863.5; DB 3; Length 593;
Best Local Similarity 79.3%; Pred. No. 1.6e-84;
Matches 149; Conservative 18; Mismatches 20; Indels 1; Gaps 1;

QY 24 GOLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNYSLVYHREGETLMHECPDYITGGP 83
Db 1 QGSPGKPEIFKCRSPNKETFTCWRRPGADGGLPTNVLTYHREGETITHECPDYITGGP 60

QY 84 NSCHFQKQYTSWRTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPPLEAVEVKQPEDR 142
Db 61 NSCVFSKQHTSIWYIITVNATQMGSSVSDPRYVDVTVIVBDDPVLNLTLEVKQPEDR 120

QY 143 KPYLWKSPPTLIDLTGWTLLYELRKPEKAAEWEIHFAGQOTEFKILSLHPGOKYL 202
Db 121 KPYLWVKWLPPTLVDVRSGLTLQYELRKPEKAAEWEIHFAGQOTQFKILSLYPGOKYL 180

QY 203 VQVRCKPD 210
Db 181 VQVRCKPD 188

RESULT 5
US-09-000-145-6
; Sequence 6, Application US/09000145
; Patent No. 6169172
; GENERAL INFORMATION:
; APPLICANT: DEVAUCHELLE, Gerrard
; APPLICANT: GARNIER, Laurence
; APPLICANT: CAHOREAU, Claire
; APPLICANT: CERUTTI, Martine
; TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR
; TITLE OF INVENTION: INTRACYTOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION
; FILE REFERENCE: 0384-0047-OXPCT
; CURRENT APPLICATION NUMBER: US/09/000.145
; CURRENT FILING DATE: 1998-03-16
; EARLIER APPLICATION NUMBER: PCT/FR96/01237
; EARLIER FILING DATE: 1996-08-02
; EARLIER APPLICATION NUMBER: FR 95/09420
; EARLIER FILING DATE: 1995-08-02
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 6
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-000-145-6

Query Match 69.4%; Score 809.5; DB 3; Length 592;
Best Local Similarity 74.5%; Pred. No. 1.1e-78;
Matches 140; Conservative 19; Mismatches 28; Indels 1; Gaps 1;

QY 24 GOLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNYSLVYHREGETLMHECPDYITGGP 83
Db 1 QGSPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNVLTYHREGETITHECPDYITGGP 60

QY 84 NSCHFQKQYTSWRTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPPLEAVEVKQPEDR 142
Db 61 NSCVFSKQHTSIWYIITVNATQMGSSVSDPRYVDVTVIVBDDPVLNLTLEVKQPEDR 120

QY 143 KPYLWKSPPTLIDLTGWTLLYELRKPEKAAEWEIHFAGQOTEFKILSLHPGOKYL 202
Db 121 KPYLWVKWLPPTLVDVRSGLTLQYELRKPEKAAEWEIHFAGQOTQFKILSLYPGOKYL 180

QY 203 VQVRCKPD 210
Db 181 VQVRCKPD 188

RESULT 6
US-08-806-597A-8
; Sequence 8, Application US/08806597A
; Patent No. 6083714
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/806.597A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012.503
; FILING DATE: 29 February 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25.618
; REFERENCE/DOCKET NUMBER: KELLY=1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 134 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-806-597A-8

Query Match 58.2%; Score 679; DB 3; Length 134;
Best Local Similarity 96.9%; Pred. No. 1.7e-65;
Matches 125; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60

QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSWRTYIMVNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSWRTYIMVNATQMGSSFSDELYVD 120

QY 120 VTYIVQDPP 128
Db 121 VTYI---DP 126

RESULT 7
US-08-970-428A-8
; Sequence 8, Application US/08970428A
; Patent No. 6083753
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

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; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/970,428A
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012,503
; FILING DATE: 29-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/806,597
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: KELLY=1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 134 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-970-428A-8

Query Match 58.2%; Score 679; DB 3; Length 134;
Best Local Similarity 96.9%; Pred. No. 1.7e-65;
Matches 125; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETTCWRRPCTDGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETTCWRRPCTDGLPTNY 60

QY 61 SLTYHREGTLMHRCPPYITGPNSSCHFGKQYTSMMRTYIMVNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGTLMHRCPPYITGPNSSCHFGKQYTSMMRTYIMVNATQMGSSFSDELVD 120

QY 120 VTYIVQDPD 128
Db 121 VTYI---DP 126

RESULT 8
US-08-806-597A-4
; Sequence 4, Application US/08806597A
; Patent No. 6083714
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/806,597A
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012,503
; FILING DATE: 29-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/806,597
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: KELLY=1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-970-428A-4
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; FILING DATE: 29 February 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: KELLY=1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-806-597A-4

Query Match 33.2%; Score 387; DB 3; Length 118;
Best Local Similarity 95.8%; Pred. No. 4.8e-34;
Matches 69; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETTCWRRPCTDGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETTCWRRPCTDGLPTNY 60

QY 61 SLTYHREGTLM 72
Db 61 SLTYHREGSILL 72

RESULT 9
US-08-970-428A-4
; Sequence 4, Application US/08970428A
; Patent No. 6083753
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/970,428A
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012,503
; FILING DATE: 29-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/806,597
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: KELLY=1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-970-428A-4
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Query Match      33.2%; Score 387; DB 3; Length 118;
Best Local Similarity 95.8%; Pred. No. 4.8e-34;
Matches 69; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKNVASATVFTLLFLNLTCLNGQLPPGKPEIFKCRSPNKETFTTCWRPGTDGGLPTNY 60
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DB 1 MKNVASATVFTLLFLNLTCLNGQLPPGKPEIFKCRSPNKETFTTCWRPGTDGGLPTNY 60
    |||||

QY 61 SLTYHREGETLM 72
    |||||
DB 61 SLTYHREGSILL 72
    |||||

RESULT 10
US-09-071-224-25
; Sequence 25, Application US/09071224
; Patent No. 6271343
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Presnell, Scott R.
; APPLICANT: Jelmeberg, Anna C.
; APPLICANT: Gilbert, Teresa
; APPLICANT: Foster, Donald C.
; APPLICANT: Adams, Robyn L.
; APPLICANT: Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071.224
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-071-224-25

Query Match      25.5%; Score 297; DB 3; Length 389;
Best Local Similarity 38.0%; Pred. No. 1.3e-23;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFNLTCLNGQLPPGKPEIFKCRSPNKETFTTCWRPGTDGG--LPTNYSLYHREGETLM 72
    :|||
DB 86 ILAGSLYVG-LPPEKPNVISCWSKMKDLTCRWTPGAHGETFLHNYSLYKLRWYQD 144
    :|||
QY 73 HECPDYITGGPNSCHFGKQYTSWRTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPL 131
    :|||
DB 145 NTCEEVHTVGPCHSCHIPKDLT-LFTTYEIVWEATNLSARSVDLTLDVVTDDPPD 203
    :|||

Query Match      25.5%; Score 297; DB 3; Length 389;
Best Local Similarity 38.0%; Pred. No. 1.3e-23;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFNLTCLNGQLPPGKPEIFKCRSPNKETFTTCWRPGTDGG--LPTNYSLYHREGETLM 72
    :|||
DB 86 ILAGSLYVG-LPPEKPNVISCWSKMKDLTCRWTPGAHGETFLHNYSLYKLRWYQD 144
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QY 73 HECPDYITGGPNSCHFGKQYTSWRTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPL 131
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DB 145 NTCEEVHTVGPCHSCHIPKDLT-LFTTYEIVWEATNLSARSVDLTLDVVTDDPPD 203
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US-09-071-224-26
; Sequence 26, Application US/09071224
; Patent No. 6271343
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Presnell, Scott R.
; APPLICANT: Jelmeberg, Anna C.
; APPLICANT: Gilbert, Teresa
; APPLICANT: Foster, Donald C.
; APPLICANT: Adams, Robyn L.
; APPLICANT: Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071.224
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-071-224-26

Query Match      25.5%; Score 297; DB 3; Length 389;
Best Local Similarity 38.0%; Pred. No. 1.3e-23;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFNLTCLNGQLPPGKPEIFKCRSPNKETFTTCWRPGTDGG--LPTNYSLYHREGETLM 72
    :|||
DB 86 ILAGSLYVG-LPPEKPNVISCWSKMKDLTCRWTPGAHGETFLHNYSLYKLRWYQD 144
    :|||
QY 73 HECPDYITGGPNSCHFGKQYTSWRTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPL 131
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DB 145 NTCEEVHTVGPCHSCHIPKDLT-LFTTYEIVWEATNLSARSVDLTLDVVTDDPPD 203
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Tue Oct 19 09:32:28 2004

us-10-029-079-3.ra1

Page 8

Search completed: October 18, 2004, 14:49:30
Job time : 46 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	1156	100.0	210	13	US-10-039-079-3	Sequence 373, Appl	
2	1155.5	99.1	622	14	US-10-177-293-373	Sequence 373, Appl	
3	1155.5	99.1	622	14	US-10-295-027-112	Sequence 112, Appl	
4	1155.5	99.1	622	14	US-10-235-037-744	Sequence 744, Appl	
5	1155.5	99.1	622	15	US-10-038-270A-40	Sequence 40, Appl	
6	987	84.6	597	15	US-10-287-971-74	Sequence 74, Appl	
7	237	25.5	389	9	US-09-880-578-25	Sequence 25, Appl	
8	297	25.5	389	9	US-09-880-578-26	Sequence 26, Appl	
9	296	25.4	303	9	US-09-880-578-21	Sequence 21, Appl	
10	286	25.4	385	9	US-09-880-578-20	Sequence 20, Appl	
11	236	25.4	388	9	US-09-880-578-17	Sequence 17, Appl	
12	236	25.4	389	9	US-09-880-578-27	Sequence 27, Appl	
13	236	25.4	389	9	US-09-880-578-31	Sequence 31, Appl	
14	296	25.4	422	9	US-09-880-578-2	Sequence 2, Appl	

QY 181 IHFAGQOQTEFKILSLHPGQKYLQVRCKPD 210
 DB 181 IHFAGQOQTEFKILSLHPGQKYLQVRCKPD 210

RESULT 2

US-10-177-293-373
 ; Sequence 373, Application US/10177293
 ; Publication No. US20030124128A1
 ; GENERAL INFORMATION:

; APPLICANT: Lillie, James
 ; APPLICANT: Glatt, Karen
 ; APPLICANT: Zhao, Xumei
 ; APPLICANT: Gannavarpu, Manjula
 ; APPLICANT: Kamatkar, Shubhangi
 ; APPLICANT: Mertens, Maureen
 ; APPLICANT: Myer, Vic
 ; APPLICANT: Wang, Youzhen
 ; APPLICANT: Xu, Yongyao
 ; APPLICANT: Hoersch, Sebastian
 ; APPLICANT: Monahan, John
 ; APPLICANT: Meyers, Rachel E.
 ; APPLICANT: Bast Jr., Robert C.
 ; APPLICANT: Hortobagyi, Gabriel N.
 ; APPLICANT: Puzstal, Lajos
 ; APPLICANT: Mexic, Funda
 ; APPLICANT: Sahin, Aysegul
 ; APPLICANT: Mills, Gordon B.

; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
 ; FILE REFERENCE: MRI-038
 ; CURRENT FILING DATE: 2002-06-21
 ; PRIOR FILING DATE: 2002-06-21
 ; PRIOR APPLICATION NUMBER: US 60/299,887
 ; PRIOR FILING DATE: 2001-06-21
 ; PRIOR APPLICATION NUMBER: US 60/301,572
 ; PRIOR FILING DATE: 2001-06-27
 ; PRIOR APPLICATION NUMBER: US 60/306,501
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: US 60/325,002
 ; PRIOR FILING DATE: 2001-09-25
 ; PRIOR APPLICATION NUMBER: US 60/362,585
 ; PRIOR FILING DATE: 2002-03-05
 ; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
 ; PRIOR FILING DATE: 2002-05-14
 ; NUMBER OF SEQ ID NOS: 506
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 373
 ; LENGTH: 622
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-177-293-373
 ; ORGANISM: Homo sapiens

Query Match 99.1%; Score 1155.5; DB 14; Length 622;
 Best Local Similarity 99.5%; Pred. No. 2.4e-102;
 Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKNVASATVFTLLFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
 DB 1 MKNVASATVFTLLFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
 QY 61 SLTYHREGTLMHECPDYITGGNSCHFGKQYTSMWRTYIMVNAT-OMGSSFSDELYVD 119
 DB 61 SLTYHREGTLMHECPDYITGGNSCHFGKQYTSMWRTYIMVNAT-OMGSSFSDELYVD 120
 QY 120 VTIVQDPDPLEAVEKQPEDRKPYLWKNSPPTLDLKTGFTLLYELRLKPKAAEW 179
 DB 121 VTIVQDPDPLEAVEKQPEDRKPYLWKNSPPTLDLKTGFTLLYELRLKPKAAEW 180
 QY 180 EHFAGQOQTEFKILSLHPGQKYLQVRCKPD 210
 DB 181 EHFAGQOQTEFKILSLHPGQKYLQVRCKPD 211

RESULT 3

US-10-295-027-112
 ; Sequence 112, Application US/10295027
 ; Publication No. US20030232350A1
 ; GENERAL INFORMATION:

; APPLICANT: Afar, Daniel
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Ginsberg, Wendy M.
 ; APPLICANT: Gish, Kurt C.
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Hevezi, Peter A.
 ; APPLICANT: Mack, David H.
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: Eos Biotechnology, Inc.
 ; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 ; FILE REFERENCE: 018501-012500US
 ; CURRENT FILING DATE: 2002-11-13
 ; PRIOR FILING DATE: 2002-11-13
 ; PRIOR APPLICATION NUMBER: US 09/663,733
 ; PRIOR FILING DATE: 2000-09-15
 ; PRIOR APPLICATION NUMBER: US 60/350,666
 ; PRIOR FILING DATE: 2001-11-13
 ; PRIOR APPLICATION NUMBER: US 60/335,394
 ; PRIOR FILING DATE: 2001-11-15
 ; PRIOR APPLICATION NUMBER: US 60/332,464
 ; PRIOR FILING DATE: 2001-11-21
 ; PRIOR APPLICATION NUMBER: US 60/334,393
 ; PRIOR FILING DATE: 2001-11-29
 ; PRIOR APPLICATION NUMBER: US 60/340,376
 ; PRIOR FILING DATE: 2001-12-14
 ; PRIOR APPLICATION NUMBER: US 60/347,211
 ; PRIOR FILING DATE: 2002-01-08
 ; PRIOR APPLICATION NUMBER: US 60/347,349
 ; PRIOR FILING DATE: 2002-01-10
 ; PRIOR APPLICATION NUMBER: US 60/355,250
 ; PRIOR FILING DATE: 2002-02-08
 ; PRIOR APPLICATION NUMBER: US 60/356,714
 ; PRIOR FILING DATE: 2002-02-13
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 1386
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 112
 ; LENGTH: 622
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-295-027-112
 ; ORGANISM: Homo sapiens

Query Match 99.1%; Score 1155.5; DB 14; Length 622;
 Best Local Similarity 99.5%; Pred. No. 2.4e-102;
 Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKNVASATVFTLLFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
 DB 1 MKNVASATVFTLLFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNY 60
 QY 61 SLTYHREGTLMHECPDYITGGNSCHFGKQYTSMWRTYIMVNAT-OMGSSFSDELYVD 119
 DB 61 SLTYHREGTLMHECPDYITGGNSCHFGKQYTSMWRTYIMVNAT-OMGSSFSDELYVD 120
 QY 120 VTIVQDPDPLEAVEKQPEDRKPYLWKNSPPTLDLKTGFTLLYELRLKPKAAEW 179
 DB 121 VTIVQDPDPLEAVEKQPEDRKPYLWKNSPPTLDLKTGFTLLYELRLKPKAAEW 180
 QY 180 EHFAGQOQTEFKILSLHPGQKYLQVRCKPD 210
 DB 181 EHFAGQOQTEFKILSLHPGQKYLQVRCKPD 211

RESULT 4

US-10-295-027-744

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; Sequence 744, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Nacasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 744
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-744

Query Match 99.1%; Score 1155.5; DB 14; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60

Qy 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNATQMGSSFSDELVD 120

Qy 120 VTYIVQDPDPLEAVEVQKPEDRPYLWKSPPTLIDLKTGFTLLYEIRLKPEKAAEW 179
Db 121 VTYIVQDPDPLEAVEVQKPEDRPYLWKSPPTLIDLKTGFTLLYEIRLKPEKAAEW 180

Qy 180 EHFAGQQTETFKILSLHPGQKYLQVRCCKPD 210
Db 181 EHFAGQQTETFKILSLHPGQKYLQVRCCKPD 211

RESULT 5
US-10-058-270A-40
; Sequence 40, Application US/10058270A
; Publication No. US20040029114A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Afar, Daniel
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
; FILE REFERENCE: 018501-005210US
; CURRENT APPLICATION NUMBER: US/10/058,270A
; CURRENT FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,965
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/265,928
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 09/829,472
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/282,698
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/288,590
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/294,443
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 40
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-058-270A-40

Query Match 99.1%; Score 1155.5; DB 15; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60

Qy 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNATQMGSSFSDELVD 120

Qy 120 VTYIVQDPDPLEAVEVQKPEDRPYLWKSPPTLIDLKTGFTLLYEIRLKPEKAAEW 179
Db 121 VTYIVQDPDPLEAVEVQKPEDRPYLWKSPPTLIDLKTGFTLLYEIRLKPEKAAEW 180

Qy 180 EHFAGQQTETFKILSLHPGQKYLQVRCCKPD 210
Db 181 EHFAGQQTETFKILSLHPGQKYLQVRCCKPD 211

RESULT 6
US-10-287-971-74
; Sequence 74, Application US/10287971
; Publication No. US20040067882A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; FILE REFERENCE: 21402-480A
; CURRENT APPLICATION NUMBER: US/10/287,971
; CURRENT FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 09/997,425
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 10/035,568
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/338,626
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/401,479
; PRIOR FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: 60/333,072
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 60/348,283
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 60/393,262
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; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: 60/406,181
; PRIOR FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 397
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 74
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-971-74

Query Match      84.6%; Score 987; DB 15; Length 597;
Best Local Similarity 87.7%; Pred. No. 3.7e-86;
Matches 185; Conservative 0; Mismatches 0; Indels 26; Gaps 2;

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DB 1 MKNVASATVTLTLLFNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTGGGLPT-- 58
QY 61 SLTVHREGTILMHSCPDYITGGPNSCHFGKQYTSMMRTYIMVNAT--QMGSSFSDELVD 119
DB 59 -----NSCHFGKQYTSMMRTYIMVNATNQMGSSFSDELVD 95
QY 120 VTYIVQDPPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGFTLLYIRLKPEKAAEW 179
DB 96 VTYIVQDPPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGFTLLYIRLKPEKAAEW 155
QY 180 EIHFAGQOTEFKILSLHPGQKYLVOVRCKPD 210
DB 156 EIHFAGQOTEFKILSLHPGQKYLVOVRCKPD 186

RESULT 7
US-09-880-578-25
; Sequence 25, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmbert, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
TELEX: <Unknown>

Query Match      25.5%; Score 297; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 5e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTGG--LPTNYSLYHREGTLM 72
DB 86 ILAGSCLYVG-LPPEKPNVISCWKNKDLTCRWTGAGHGETFLHTNYSKYLRLWYQD 144
QY 73 HECDDYITGGPNSCHFGKQYTSMMRTYIMVNAT--QMGSSFSDELVDYIVQDPPLE 131
DB 145 NTCEDYITGVPHSCHIPAD-LALFTPYEIWVEATNRLGARSVDLTJULIDVVTDDPPD 203
QY 132 LAV-EVKQPEDRKPYLWIKWSPPTLIDLKTGFTLLYIRLKPEKAAEW-EHFAGQOTE 189
DB 204 VHSVGVGGLDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSVDMKVVDVDSNQT 258
QY 190 FKILSLHPGQKYLVOVRCKP 209
DB 259 CRLAGKPGTYVFOVRCKP 278

RESULT 8
US-09-880-578-26
; Sequence 26, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmbert, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 26:
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SEQUENCE CHARACTERISTICS:
LENGTH: 303 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-880-578-21

Query Match 25.4%; Score 296; DB 9; Length 303;
Best Local Similarity 38.0%; Pred. No. 4.7e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNLTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLYHREGETLM 72
DB 86 ILAGSCLVVG-LPPEKPVNISCSKXMKDLTCRWTPGAHGETFLHTNYSLYKLRWYQGD 144
QY 73 HECDDYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPLP 131
DB 145 NTCSEYHTVPHSCHIPKD-LALFTPYEIVWEATNRLGSARSDVLTDLIDVTVTDPPE 203
QY 132 LAV-EVQKPEDRKPYLWKWSPTLIDLTGWTFLLYEIRLKEKAAEWE-IHFAGQOTE 189
DB 204 VHSRVGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSVDMKVVDVSNQTS 258
QY 190 FKLSLHPGQKYLQVRCRP 209
DB 259 CRLAGLKPGTVYFVQVRCNP 278

RESULT 10
US-09-880-578-20
; Sequence 20, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,578
; FILING DATE: 13-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids

SEQUENCE CHARACTERISTICS:
LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-880-578-26

Query Match 25.5%; Score 297; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 5e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNLTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLYHREGETLM 72
DB 86 ILAGSCLVVG-LPPEKPVNISCSKXMKDLTCRWTPGAHGETFLHTNYSLYKLRWYQGD 144
QY 73 HECDDYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPLP 131
DB 145 NTCSEYHTVPHSCHIPKD-LALFTPYEIVWEATNRLGSARSDVLTDLIDVTVTDPPE 203
QY 132 LAV-EVQKPEDRKPYLWKWSPTLIDLTGWTFLLYEIRLKEKAAEWE-IHFAGQOTE 189
DB 204 VHSRVGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSVDMKVVDVSNQTS 258
QY 190 FKLSLHPGQKYLQVRCRP 209
DB 259 CRLAGLKPGTVYFVQVRCNP 278

RESULT 9
US-09-880-578-21
; Sequence 21, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,578
; FILING DATE: 13-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:


```

;
; MOLECULE TYPE: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 27;
US-09-880-578-27

Query Match      25.4%; Score 296; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 6.3e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGG--LPTNYSLTTHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILASCLYVG-LPEKPVNISCSKMKDLTCRTWPGAHGETFLHTNYSLKYLKRWYQD 144
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECFDYITGPNCHGKQYTSWRTYIMVNAT-OMGSSFSDELVDVTVYVQDPPE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCBEYHTVGHSPHCHPKD-LALFTPYEIVWEATNRLGSRSDVLTLDLDVWTTDPPD 203
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPDPRKPYLWKSPPTLIDLKTGWTFLLYEIRLKEPKAAEWE-IHFAGQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 204 VHVSRVGGLEDQLSVRWV--SPALKDF---LFOAKYQIRYRVEDSDVMKWVDVSNQTS 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLQVRCRP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRLAGLKPGTVYFVQVRCNP 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

RESULT 13

```

US-09-880-578-31
; Sequence 31, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.

```

```

; TITLE OF INVENTION: MAMMALIAN ZCYTORS

```

```

; NUMBER OF SEQUENCES: 37

```

```

; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102

```

```

; COMPUTER READABLE FORM:

```

```

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0

```

```

; CURRENT APPLICATION DATA:

```

```

; APPLICATION NUMBER: US/09/880,578

```

```

; FILING DATE: 13-Jun-2001

```

```

; CLASSIFICATION: <Unknown>

```

```

; PRIOR APPLICATION DATA:

```

```

; APPLICATION NUMBER: <Unknown>

```

```

; FILING DATE: <Unknown>

```

```

; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Lunn, Paul G

```

```

; REGISTRATION NUMBER: 32,743

```

```

; REFERENCE/DOCKET NUMBER: 96-22

```

```

; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: 206-442-6627

```

```

; TELEFAX: 206-442-6678

```

```

; TELEX: <Unknown>

```

```

; INFORMATION FOR SEQ ID NO: 31:

```

```

; SEQUENCE CHARACTERISTICS:

```

```

; LENGTH: 389 amino acids

```

```

; TYPE: amino acid

```

```

; STRANDEDNESS: single

```

```

; TOPOLOGY: linear

```

```

; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 31;
US-09-880-578-31

Query Match      25.4%; Score 296; DB 9; Length 389;
Best Local Similarity 37.5%; Pred. No. 6.3e-20;
Matches 75; Conservative 29; Mismatches 84; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGG--LPTNYSLTTHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILASCLYVG-LPEKPVNISCSKMKDLTCRTWPGAHGETFLHTNYSLKYLKRWYQD 144
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECFDYITGPNCHGKQYTSWRTYIMVNAT-OMGSSFSDELVDVTVYVQDPPE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCBEYHTVGHSPHCHPKD-LALFTPYEIVWEATNRLGSRSDVLTLDLDVWTTDPPD 203
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPDPRKPYLWKSPPTLIDLKTGWTFLLYEIRLKEPKAAEWE-IHFAGQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 204 VHVSRVGGLEDQLSVRWV--SPALKDF---LFOAKYQIRYRVEDSDVMKWVDVSNQTS 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLQVRCRP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRLAGLKPGTVYFVQVRCNP 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

RESULT 14

```

US-09-880-578-2
; Sequence 2, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.

```

```

; TITLE OF INVENTION: MAMMALIAN ZCYTORS

```

```

; NUMBER OF SEQUENCES: 37

```

```

; CORRESPONDENCE ADDRESS:

```

```

; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102

```

```

; COMPUTER READABLE FORM:

```

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; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0

```

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; CURRENT APPLICATION DATA:

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```

; APPLICATION NUMBER: US/09/880,578

```

```

; FILING DATE: 13-Jun-2001

```

```

; CLASSIFICATION: <Unknown>

```

```

; PRIOR APPLICATION DATA:

```

```

; APPLICATION NUMBER: <Unknown>

```

```

; FILING DATE: <Unknown>

```

```

; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Lunn, Paul G

```

```

; REGISTRATION NUMBER: 32,743

```

```

; REFERENCE/DOCKET NUMBER: 96-22

```

```

; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: 206-442-6627

```

```

; TELEFAX: 206-442-6678

```

```

; TELEX: <Unknown>

```

```

; INFORMATION FOR SEQ ID NO: 2:

```

```

; SEQUENCE CHARACTERISTICS:

```

```

; LENGTH: 422 amino acids

```

```

; TYPE: amino acid

```

```

; STRANDEDNESS: single

```

```

; TOPOLOGY: linear

```

```

; MOLECULE TYPE: protein

```

```

; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-880-578-2

Query Match      25.4%; Score 296; DB 9; Length 422;
Best Local Similarity 38.0%; Pred. No. 6.9e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYYHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 123 ILAGSCLVVG-LPEKPNVISCWKNMDLTCRWTPGAHGETFLHTNYSLKYLKRWYQD 181
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECPTYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPLPLE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 182 NTCEYHTVGPHSCHIPKD-LALFTPYEIVWEATNRLGSARSVDLTLDILDVVTTPDPPPE 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPEDRKPYLWKNSPPTLIDLKTCWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 241 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVSDVDMKWVDDVSNQTS 295
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLQVRCCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 296 CRIAGLKPGTVYFVQVRCNP 315
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSER: Zytogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 389 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

```

```

; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-880-578-30

Query Match      25.3%; Score 295; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 7.9e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLTYYHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILAGSCLVVG-LPEKPNVISCWKNMDLTCRWTPGAHGETFLHTNYSLKYLKRWYQD 144
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECPTYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPLPLE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCEYHTVGPHSCHIPKD-LALFTPYEIVWEATNRLGSARSVDLTLDILDVVTTPDPPD 203
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPEDRKPYLWKNSPPTLIDLKTCWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVSDVDMKWVDDVSNQTS 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLQVRCCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRIAGLKPGTVYFVQVRCNP 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

Search completed: October 18, 2004, 14:59:50
Job time : 129 secs

```


GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 18, 2004, 14:42:02 ; Search time 470 Seconds
(without alignments)

495.063 Million cell updates/sec

Title: US-10-029-079-3

Perfect score: 1166

Sequence: 1 MKENVASATVTLILLFLNTC.....KILSLHPGKYLQVLRCKPD 210

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 6730630 seqs, 1107998698 residues

Total number of hits satisfying chosen parameters: 6730630

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA Main:

```

1: /cgn2_6/ptodata/1/paa/US06 COMB.pcp.*
2: /cgn2_6/ptodata/1/paa/US06 COMB.pcp.*
3: /cgn2_6/ptodata/1/paa/US07 COMB.pcp.*
4: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
5: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
6: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
7: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
8: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
9: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
10: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
11: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
12: /cgn2_6/ptodata/1/paa/US08 COMB.pcp.*
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23: /cgn2_6/ptodata/1/paa/US09 COMB.pcp.*
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25: /cgn2_6/ptodata/1/paa/US09 COMB.pcp.*
26: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
27: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
28: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
29: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
30: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
31: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
32: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
33: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*
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36: /cgn2_6/ptodata/1/paa/US10 COMB.pcp.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

*

Result No.	Score	Query Match	Length	DB	ID	Description
1	1166	100.0	210	26	US-10-029-079-3	Sequence 3, Appli
2	1155.5	99.1	230	21	US-03-724-676A-83309	Sequence 83309, A
3	1155.5	99.1	230	21	US-03-724-676A-83309	Sequence 83309, A
4	1155.5	99.1	288	27	US-10-170-205E-17994	Sequence 17994, A
5	1155.5	99.1	288	36	US-60-452-680-22670	Sequence 22670, A
6	1155.5	99.1	349	22	US-09-791-537-37838	Sequence 37838, A
7	1155.5	99.1	349	22	US-10-170-205E-18065	Sequence 18065, A
8	1155.5	99.1	349	36	US-60-452-680-22672	Sequence 22672, A
9	1155.5	99.1	376	27	US-10-170-205E-17995	Sequence 17995, A
10	1155.5	99.1	376	36	US-60-452-680-22671	Sequence 22671, A
11	1155.5	99.1	426	21	US-03-724-676A-83308	Sequence 83308, A
12	1155.5	99.1	426	21	US-03-724-676A-83308	Sequence 83308, A
13	1155.5	99.1	622	1	PCT-US01-49049-3	Sequence 3, Appli
14	1155.5	99.1	622	1	PCT-US01-49049-3	Sequence 3, Appli
15	1155.5	99.1	622	1	PCT-US02-19669-373	Sequence 373, App
16	1155.5	99.1	622	1	PCT-US02-19669-373	Sequence 373, App
17	1155.5	99.1	622	22	US-03-791-537-18829	Sequence 18829, A
18	1155.5	99.1	622	26	US-10-058-270A-40	Sequence 40, Appl
19	1155.5	99.1	622	27	US-10-170-205E-18242	Sequence 18242, A
20	1155.5	99.1	622	27	US-10-177-293-373	Sequence 373, App
21	1155.5	99.1	622	28	US-10-295-027-112	Sequence 112, App
22	1155.5	99.1	622	28	US-10-295-027-112	Sequence 744, App
23	1155.5	99.1	622	36	US-60-452-680-22669	Sequence 22669, A
24	1155.5	99.1	637	24	US-09-949-016-10128	Sequence 10128, A
25	1155.5	99.1	637	35	US-10-940-774-10128	Sequence 10128, A
26	1052.5	90.3	622	22	US-09-791-537-3751	Sequence 3751, Ap
27	1036.5	88.9	206	22	US-09-791-537-24513	Sequence 24513, A
28	1036.5	88.9	211	7	US-08-310-552-2	Sequence 2, Appli
29	1036.5	88.9	211	22	US-09-791-537-116008	Sequence 116008, A
30	987	84.6	597	28	US-10-287-971-74	Sequence 74, Appl
31	935.5	80.2	616	22	US-09-791-537-99548	Sequence 99548, A
32	901.5	77.3	581	22	US-09-791-537-119333	Sequence 119333, A
33	888.5	76.2	625	22	US-09-791-537-23830	Sequence 23830, A
34	865.5	74.2	296	22	US-09-791-537-53150	Sequence 53150, A
35	865.5	74.2	581	22	US-09-791-537-119332	Sequence 119332, A
36	863.5	74.1	296	22	US-09-791-537-107221	Sequence 107221, A
37	863.5	74.1	581	22	US-09-791-537-36028	Sequence 36028, A
38	837	71.8	310	22	US-09-791-537-85473	Sequence 85473, A
39	837	71.8	412	22	US-09-791-537-93032	Sequence 93032, A
40	813.5	69.8	292	22	US-09-791-537-62081	Sequence 62081, A
41	813.5	69.8	303	22	US-09-791-537-62063	Sequence 62063, A
42	813.5	69.8	608	22	US-09-791-537-35679	Sequence 35679, A
43	813.5	69.8	608	22	US-09-791-537-64104	Sequence 64104, A
44	799.5	68.6	210	22	US-09-791-537-86333	Sequence 86333, A
45	764.5	65.6	198	22	US-09-791-537-95162	Sequence 95162, A

ALIGNMENTS

RESULT 1
US-10-029-079-3
; Sequence 3, Application US/10029079
; GENERAL INFORMATION:
; APPLICANT: Kline, J. Bradford
; APPLICANT: Clevenger, Charles V
; TITLE OF INVENTION: Composition and Method for Modulating Somatolactogenic Function
; FILE REFERENCE: PENN-0795
; CURRENT APPLICATION NUMBER: US/10/029,079
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 60/258,285
; PRIOR FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-029-079-3

Query Match 100.0%; Score 1155.5; DB 26; Length 210;
Best Local Similarity 100.0%; Pred. No. 4e-118;
Matches 210; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
QY 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
DB 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
QY 181 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 210
DB 181 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 210

RESULT 2

US-09-724-676-83309
; Sequence 83309, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724.676
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 83309
; LENGTH: 230
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676-83309

Query Match 99.1%; Score 1155.5; DB 21; Length 230;
Best Local Similarity 99.5%; Pred. No. 6.4e-117;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
DB 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
QY 180 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 210
DB 181 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 211

RESULT 3

US-09-724-676A-83309
; Sequence 83309, Application US/09724676A
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724.676A
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 83309
; LENGTH: 230
; TYPE: PRT

; ORGANISM: Homo sapiens
US-09-724-676A-83309

Query Match 99.1%; Score 1155.5; DB 21; Length 230;
Best Local Similarity 99.5%; Pred. No. 6.4e-117;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
DB 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
QY 180 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 210
DB 181 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 211

RESULT 4

US-10-170-205E-17994
; Sequence 17994, Application US/10170205E
; GENERAL INFORMATION:
; APPLICANT: ADAMS, Mark
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
; FILE REFERENCE: CL001381
; CURRENT APPLICATION NUMBER: US/10/170.205E
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 40312
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17994
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-170-205E-17994

Query Match 99.1%; Score 1155.5; DB 27; Length 288;
Best Local Similarity 99.5%; Pred. No. 8.6e-117;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179
DB 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 180
QY 180 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 210
DB 181 IHFAGQOTEFKILSLHFGQKYLQVVRCKPD 211

RESULT 5

US-60-452-680-22670
; Sequence 22670, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452.680

```
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22670
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-22670

Query Match      99.1%; Score 1155.5; DB 36; Length 288;
Best Local Similarity 99.5%; Pred. No. 1.1e-117;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 211

RESULT 6
US-09-791-537-37838
; Sequence 37838, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 37838
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-37838

Query Match      99.1%; Score 1155.5; DB 22; Length 349;
Best Local Similarity 99.5%; Pred. No. 1.1e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 211

RESULT 7
US-10-170-205E-18065
; Sequence 18065, Application US/10170205E
; GENERAL INFORMATION:
; APPLICANT: ADAMS, Mark
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
; TITLE OF INVENTION: CAPTURE AGENTS, AND USES THEREOF
; FILE REFERENCE: CL001381
; CURRENT APPLICATION NUMBER: US/10/170,205E
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 40312
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 18065
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-170-205E-18065

Query Match      99.1%; Score 1155.5; DB 27; Length 349;
Best Local Similarity 99.5%; Pred. No. 1.1e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 211

RESULT 8
US-60-452-680-22672
; Sequence 22672, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22672
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-22672

Query Match      99.1%; Score 1155.5; DB 36; Length 349;
Best Local Similarity 99.5%; Pred. No. 1.1e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTETFKILSLHPGQKYLQVCRCKPD 211
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Db 181 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 211
|||||
RESULT 9
US-10-170-205E-17995
; Sequence 17995, Application US/10170205E
; GENERAL INFORMATION:
; APPLICANT: ADAMS, Mark
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
; FILE REFERENCE: CLO01381
; CURRENT APPLICATION NUMBER: US/10/170.205E
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 40312
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 17995
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-170-205E-17995
Query Match 99.1%; Score 1155.5; DB 27; Length 376;
Best Local Similarity 99.5%; Pred. No. 1.2e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 179
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 180
QY 180 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 211
RESULT 10
US-60-452-680-22671
; Sequence 22671, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CLO01450
; CURRENT APPLICATION NUMBER: US/60/452.680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22671
; LENGTH: 376
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-22671
Query Match 99.1%; Score 1155.5; DB 36; Length 376;
Best Local Similarity 99.5%; Pred. No. 1.2e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120

QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 179
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 180
QY 180 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 211
RESULT 11
US-09-724-676-83308
; Sequence 83308, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724.676
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 83308
; LENGTH: 426
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676-83308
Query Match 99.1%; Score 1155.5; DB 21; Length 426;
Best Local Similarity 99.5%; Pred. No. 1.5e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGETLMHPCPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 179
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEKAAEW 180
QY 180 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EHFAGQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 12
US-09-724-676A-83308
; Sequence 83308, Application US/09724676A
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724.676A
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 83308
; LENGTH: 426
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676A-83308
Query Match 99.1%; Score 1155.5; DB 21; Length 426;
Best Local Similarity 99.5%; Pred. No. 1.5e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60

QY 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 179
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 180
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 13
PCT-US01-49049-3
; Sequence 3, Application PC/TUS0149049
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals, Inc.
; APPLICANT: Bieglecki, Karyn M
; APPLICANT: Duda, Amy
; APPLICANT: Koshiy, Beena
; TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE
; FILE REFERENCE: PRLR MWH-0892PCT
; CURRENT APPLICATION NUMBER: PCT/US01/49049
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 60/256,523
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-49049-3

Query Match 99.1%; Score 1155.5; DB 1; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 179
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 180
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 14
PCT-US01-49049A-3
; Sequence 3, Application PC/TUS0149049A
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals, Inc.
; APPLICANT: Bieglecki, Karyn M
; APPLICANT: Duda, Amy
; APPLICANT: Koshiy, Beena
; TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE
; FILE REFERENCE: PRLR MWH-0892PCT
; CURRENT APPLICATION NUMBER: PCT/US01/49049A
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: 60/256,523
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3

; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US01-49049A-3
Query Match 99.1%; Score 1155.5; DB 1; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 179
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 180
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 15
PCT-US02-19669-373
; Sequence 373, Application PC/TUS0219669
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc. et al.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: MRI-038PC
; CURRENT APPLICATION NUMBER: PCT/US02/19669
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 373
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US02-19669-373

Query Match 99.1%; Score 1155.5; DB 1; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-116;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
Db 61 SLTYHREGTLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 179
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWTLLYEIRLKPKEAAEW 180
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210

Tue Oct 19 09:32:29 2004

us-10-029-079-3.rapm

Page 6

Db 181 EIHFAQQTEFKILSLHFGQKYLQVRCXPD 211

Search completed: October 18, 2004, 14:57:24
Job time : 472 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 18, 2004, 14:44:50 ; Search time 7 Seconds
(without alignments)
41.674 Million cell updates/sec

Title: US-10-029-079-3

Perfect score: 1166
Sequence: 1 MKNVASATVFTLLFLNTC.....KILSLHPGQKYLQVVRCKPD 210

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 8631 seqs, 1389124 residues

Total number of hits satisfying chosen parameters: 8631

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending Patents AA New:
1: /cgn2_6/ptodata/2/paa/PCT_NEW_COMB.pcp:
2: /cgn2_6/ptodata/2/paa/US06_NEW_COMB.pcp:
3: /cgn2_6/ptodata/2/paa/US07_NEW_COMB.pcp:
4: /cgn2_6/ptodata/2/paa/US08_NEW_COMB.pcp:
5: /cgn2_6/ptodata/2/paa/US09_NEW_COMB.pcp:
6: /cgn2_6/ptodata/2/paa/US10_NEW_COMB.pcp:
7: /cgn2_6/ptodata/2/paa/US60_NEW_COMB.pcp:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	116.5	10.0	36946	1 PCT-US04-14421-155	Sequence 155, App
2	81	6.9	2176	1 PCT-US04-31524-367	Sequence 367, App
3	81	6.9	2296	1 PCT-US04-31524-371	Sequence 371, App
4	81	6.9	2330	1 PCT-US04-31524-375	Sequence 375, App
5	81	6.9	2355	1 PCT-US04-31524-191	Sequence 191, App
6	77	6.6	3262	1 PCT-US04-14421-161	Sequence 161, App
7	74.5	6.4	328	1 PCT-US04-31524-355	Sequence 355, App
8	74.5	6.4	398	6 US-10-955-952-348	Sequence 348, App
9	73	6.3	2421	1 PCT-US04-31524-369	Sequence 369, App
10	73	6.3	2476	1 PCT-US04-31524-373	Sequence 373, App
11	72.5	6.2	625	6 US-10-955-952-70	Sequence 70, App
12	68.5	5.9	335	6 US-10-948-716-5	Sequence 5, Appl
13	68	5.8	525	6 US-10-953-264-27	Sequence 27, Appl
14	68	5.8	525	6 US-10-953-264-28	Sequence 28, Appl
15	68	5.8	2471	6 US-10-765-727-23	Sequence 23, Appl
16	68	5.8	2471	6 US-10-846-989-57	Sequence 57, Appl
17	67	5.7	373	6 US-10-950-374-503	Sequence 503, App
18	67	5.7	373	6 US-10-955-952-388	Sequence 388, App
19	63	5.4	468	1 PCT-US04-17765-12	Sequence 12, Appl
20	63	5.4	468	1 PCT-US04-17765-20	Sequence 20, Appl
21	63	5.4	470	1 PCT-US04-17765-40	Sequence 40, Appl
22	63	5.4	472	1 PCT-US04-17765-54	Sequence 54, Appl
23	63	5.4	624	1 PCT-US04-17765-24	Sequence 24, Appl
24	63	5.4	624	1 PCT-US04-17765-30	Sequence 30, Appl
25	63	5.4	626	1 PCT-US04-17765-44	Sequence 44, Appl
26	63	5.4	628	1 PCT-US04-17765-58	Sequence 58, Appl

27 63 5.4 639 1 PCT-US04-17765-26
28 63 5.4 639 1 PCT-US04-17765-32
29 63 5.4 641 1 PCT-US04-17765-46
30 63 5.4 643 1 PCT-US04-17765-60
31 63 5.4 1013 6 US-10-955-952-38
32 62.5 5.4 1041 1 PCT-US04-14421-215
33 62 5.3 156 6 US-10-027-450-6
34 62 5.3 455 1 PCT-US04-31524-72
35 62 5.3 477 6 US-10-950-374-285
36 62 5.3 477 6 US-10-955-952-452
37 62 5.3 591 6 US-10-027-450-2
38 62 5.3 821 6 US-10-951-477-16
39 62 5.3 821 6 US-10-951-389-16
40 62 5.3 821 6 US-10-951-406-16
41 61.5 5.3 419 6 US-10-948-716-7
42 61.5 5.3 426 6 US-10-948-716-1
43 61.5 5.3 428 6 US-10-948-716-3
44 61.5 5.3 958 1 PCT-US04-14421-174
45 61.5 5.3 1257 6 US-10-953-264-22

ALIGNMENTS

RESULT 1

PCT-US04-14421-155
; Sequence 155, Application PC/TUS0414421
; GENERAL INFORMATION:
; APPLICANT: SUGEN, INC.
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: MANNING, GERARD
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: GRIGORIEV, IGOR
; TITLE OF INVENTION: NOVEL KINASES
; FILE REFERENCE: 034536-1454
; CURRENT APPLICATION NUMBER: PCT/US04/14421
; CURRENT FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: 60/469,014
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 155
; LENGTH: 36946
; TYPE: PRT
; ORGANISM: Mus musculus
PCT-US04-14421-155

Query Match 10.0%; Score 116.5; DB 1; Length 36946;
Best Local Similarity 25.4%; Pred. No. 0.034;
Matches 51; Conservative 28; Mismatches 85; Indels 37; Gaps 11;
QY 23 NGOLPGKPEIFKCRSPNKETTCWW-RGVTGGGLPTNYSLYHREGFTL-----M 72
Db 30531 NAFVTPGPSPSEIPEVTKITKNSMTVVDRTVDGGSEINGYFLERRDKSLAWLKVKETI 30590
QY 73 HECPDYITGGPNSSCHFGKQYTSNWRITYIMNATQMGSSFS--ELYVDVTIVQDPDPL 130
Db 30591 RDRTRQKVTGLTENSDF--QYR-----VCANVAAGVG-PFSEPSDFYKAADIDPPGPA 30641
QY 131 ELAWEVQKPEDKRPYINIKWSPTTL---IDLTKGTFTLLYEIRLKEPKAAEWEI---HFA 184
Db 30642 KIRI-----ADSTKSSITLGMKRPYVDGGSDFV-TG-----YVVEVMQGDDEEWTIVSTRGE 30691
QY 185 GOOTEFEKILSLHPGQKYLQV 205
Db 30692 VRTTEYVNSNLRPGVNYFQV 30712

RESULT 2

PCT-US04-31524-367
; Sequence 367, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.

```
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 2176
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-367

Query Match          6.9%; Score 81; DB 1; Length 2176;
Best Local Similarity 22.3%; Pred. No. 2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGETLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTPDI-TGYRITTTPTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSMWRTYIMMNYATQMSSPSDELYVDVTYVQDPPELEAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTMR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTQTEFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLTNLLPGTEYVSV 1338

RESULT 3
PCT-US04-31524-371
; Sequence 371, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 371
; LENGTH: 2296
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-371

Query Match          6.9%; Score 81; DB 1; Length 2296;
Best Local Similarity 22.3%; Pred. No. 2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGETLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTPDI-TGYRITTTPTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSMWRTYIMMNYATQMSSPSDELYVDVTYVQDPPELEAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTMR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTQTEFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLTNLLPGTEYVSV 1338

RESULT 4
PCT-US04-31524-375
```

```
; Sequence 375, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 375
; LENGTH: 2330
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-375

Query Match          6.9%; Score 81; DB 1; Length 2330;
Best Local Similarity 22.3%; Pred. No. 2.2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGETLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTPDI-TGYRITTTPTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSMWRTYIMMNYATQMSSPSDELYVDVTYVQDPPELEAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTMR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTQTEFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLTNLLPGTEYVSV 1338

RESULT 5
PCT-US04-31524-191
; Sequence 191, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191
; LENGTH: 2355
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-191

Query Match          6.9%; Score 81; DB 1; Length 2355;
Best Local Similarity 22.3%; Pred. No. 2.2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGETLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTPDI-TGYRITTTPTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSMWRTYIMMNYATQMSSPSDELYVDVTYVQDPPELEAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTMR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTQTEFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLTNLLPGTEYVSV 1338
```


RESULT 6
PCT-US04-14421-161
; Sequence 161, Application PC/TUS0414421
; GENERAL INFORMATION:
; APPLICANT: SUGEN, INC.
; APPLICANT: CAENEPEEL, SEAN
; APPLICANT: MANNING, GERARD
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: GRIGORIEV, IGOR
; TITLE OF INVENTION: NOVEL KINASES
; FILE REFERENCE: 034536-1454
; CURRENT APPLICATION NUMBER: PCT/US04/14421
; CURRENT FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: 60/469,014
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 161
; LENGTH: 3262
; TYPE: PRT
; ORGANISM: Mus musculus
PCT-US04-14421-161

Query Match 6.6%; Score 77; DB 1; Length 3262;
Best Local Similarity 25.8%; Pred. No. 8;
Matches 32; Conservative 21; Mismatches 47; Indels 24; Gaps 8;

Qy 24 GQL-PPGKPEIFKCRSPNKTFTTCWRPGTGGIPTNYSLYTHREGTLMHCEPDVITGG 82
Db 2682 GKLAPEVPQTY-----HDTALVVRPG-DGRAPCTYTLERRVDGESVHP-----VSSG 2730
Qy 83 PNSCHFQKQYTMWRTYIMMV--NATQMG--SSFSDELXVDVTYIVQPPPLELAVEVK 137
Db 2731 IPDCYNNVTQLPVGTVFRVACSNRAGQGFSPNPKVIRGT---PDSAPQAA--- 2783

Qy 138 QPED 141
Db 2784 APRD 2787

RESULT 7
PCT-US04-31524-355
; Sequence 355, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 355
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-355

Query Match 6.4%; Score 74.5; DB 1; Length 328;
Best Local Similarity 19.1%; Pred. No. 0.77;
Matches 35; Conservative 29; Mismatches 86; Indels 33; Gaps 7;

Qy 18 NTCLINGQLPPGKPEIFKCRSPN-KETFTCWRPGTGGIPTNYSLYTHREGTLMHCEP 76
Db 113 STDILKQKEPKNTFLFCEAKYSGRTQWL--TTISTDLTFSVKSSRSSD-----P 165
Qy 77 DYITGGPNSCHFGKQYTMWRTYIMMVNATQMG-----SFSDELXVDVTY----- 122
Db 166 QGVTCGAATLS-AERVGRDNKEYYSVECDSDSACPAABESLPTEVVMVDVHKLKYNNT 224

Qy 123 -----IVQPPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWTFLLYEIRLKPEK 175
Db 225 SSFFIRDIKDDPPKNLQI---KPKNSRQVEVSNWPEYDPTWSTPHSYSLTFCVQVQGS 281
Qy 176 AAE 178
Db 282 KRE 284

RESULT 8
US-10-955-952-348
; Sequence 348, Application US/10955952
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filwaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC12
; CURRENT APPLICATION NUMBER: US/10/955,952
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/121,058
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 348
; LENGTH: 398
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-955-952-348

Query Match 6.4%; Score 74.5; DB 6; Length 398;
Best Local Similarity 26.6%; Pred. No. 0.98;
Matches 47; Conservative 24; Mismatches 69; Indels 37; Gaps 9;

Qy 4 NVASA-----TVFTLLFLNTCLNGQLPPGKPEIFKCRSPNKTFTCWRPGTGGI 56
Db 99 NVALADEGYTCISFTMPVRTAKSLVTLVIGIPQKPIITGYKSLREKDTATLNCQSSGSK 158
Qy 57 PTNYSLYTHREGTLMHCEPDITGSPNSCHFQKQYTMWRTY-----IMMVN 104

Db 159 PA-ARLTW-RKGDQLHCEPRIQEDFN-----GKFTVSSSVTFQVTRDDGASIVCSVN 212
QY 105 ATOM-GSSFSELYVDVTVY-----IVQDPDP-----LELAVEVKQPEDRKPYLWIK 149
Db 213 HESLKGADRSQRIEVLTYTAMIRPDPPHPRREGQKLLHCEGRGNPNVPQOYLWEK 269

RESULT 9

PCT-US04-31524-369
; Sequence 369, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 369
; LENGTH: 2421
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-369

Query Match 6.3%; Score 73; DB 1; Length 2421;

Best Local Similarity 21.0%; Pred. No. 13;
Matches 42; Conservative 26; Mismatches 86; Indels 46; Gaps 11;

QY 22 LINGQLPPGKPIFKCRSPNKET---FTCWRPQTD---GGLPTNYSLYTHRGSTLMH--- 73
Db 711 VTGETTFFSPLVATSEVTEITASSFVSVMSASDTVSGFRVEYELS--EEGDEPQYLDL 768
QY 74 -----ECPDYITGGPNSCHFGKQYTSMTWRTYIMMNVATOMGSSFSDELYVDVTVIVQP 126
Db 769 PSTATSVNIPDLPLPG-----RKYL--VNVYQISEDEGQSILSTSQTTAP 811
QY 127 DPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKGTWFTLLYEIRLKP-EAAEWEIHFG 185
Db 812 DAPPDPTVD--QVDDTS--IVRWSRQA--PITG-----YRIVSFSVEGSGSTELNLP 860
QY 186 QOTEFKILSLHFGKQYLVQV 205
Db 861 TANSVTLSDLQPGVQVYNI 880

RESULT 10

PCT-US04-31524-373
; Sequence 373, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 373
; LENGTH: 2476
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-373

Query Match 6.3%; Score 73; DB 1; Length 2476;
Best Local Similarity 21.0%; Pred. No. 13;

Matches 42; Conservative 26; Mismatches 86; Indels 46; Gaps 11;
QY 22 LINGQLPPGKPIFKCRSPNKET---FTCWRPQTD---GGLPTNYSLYTHRGSTLMH--- 73
Db 710 VTGETTFFSPLVATSEVTEITASSFVSVMSASDTVSGFRVEYELS--EEGDEPQYLDL 767
QY 74 -----ECPDYITGGPNSCHFGKQYTSMTWRTYIMMNVATOMGSSFSDELYVDVTVIVQP 126
Db 768 PSTATSVNIPDLPLPG-----RKYL--VNVYQISEDEGQSILSTSQTTAP 810
QY 127 DPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKGTWFTLLYEIRLKP-EAAEWEIHFG 185
Db 811 DAPPDPTVD--QVDDTS--IVRWSRQA--PITG-----YRIVSFSVEGSGSTELNLP 859
QY 186 QOTEFKILSLHFGKQYLVQV 205
Db 860 TANSVTLSDLQPGVQVYNI 879

RESULT 11

US-10-955-952-70
; Sequence 70, Application US/10955952
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C12
; CURRENT APPLICATION NUMBER: US/10/955,952
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/121,058
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 70
; LENGTH: 625
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-955-952-70

Query Match	6.2;	Score	72.5;	DB	6;	Length	635;
Best Local Similarity	25.5#;	Pred. No.	2.7;				
Matches	24;	Conservative	19;	Mismatches	30;	Indels	21;
						Gaps	5;

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QY      131 ELAVENVKPED-----RKPY-----LWIKSPPTLIDLTQTG-----WFTLLVEIRLK 172
Db      260 EYLEVKRVQDIIIGTEKPQVNTQARAVLVISNAPP--VGLSCGPHSGLSFPYSYEVALS 317

QY      173 PE-KAAAEWIHFAGQQTEFKILSLHPQCKYLNVQ 205
Db      318 DKGRDGCKYKIIVSGEELECNLKDRPATDYHVRV 351

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RESULT 12
US-10-948-716-5
; Sequence 5, Application US/10948716
; GENERAL INFORMATION:
; APPLICANT: Agilent Technologies, Inc.
; APPLICANT: Deng, David X
; TITLE OF INVENTION: BIOLOGICAL MARKER FOR INFLAMMATION
; FILE REFERENCE: 10041050-1
; CURRENT APPLICATION NUMBER: US/10/948,716
; CURRENT FILING DATE: 2004-09-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-948-716-5

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Query Match      5.9%; Score 68.5; DB 6; Length 335;
Best Local Similarity 21.9%; Pred No. 2.9;
Matches 41; Conservative 15; Mismatches 52; Indels 79; Gaps 11

QY      11  FTLLIFANT---CLLNGQLPPGPEI--PKCSRNKEPT-CWEPG----- 51
      |||
      138  FTFNLYLKLPEYITINNSKRENKDLVATC-EPASENTYIWLNGOSLPVSERVQP 196
      |||

QY      52  -----TTGG-----LFTNY-SITYREGET 70

DB      197  IENRILIPSVRNETGYECEIRDGGMHSDPVLNLVYGDPLSIIPTSYIRSGEN 256

QY      71  LMHECPDYITGPNSCHF-----GK-----QYTSMWNR-TYIMGNATMGSSPSFD 114

DB      257  LYLSC--FAENPPAAYEFTWINGKFPQSGQKLSIPQITTKHRLGYTCVSVRNSATGKESK 314

QY      115  ELYVDVT 121

DB      315  SMTVEVS 321

```

RESULT 13
US-10-953-264-27
; Sequence 27, Application US/10953264
; GENERAL INFORMATION:
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: PAUL POLAKIS
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5023R1-US
; CURRENT APPLICATION NUMBER: US/10/953,264
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/411,010
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/378,895
; PRIOR FILING DATE: 2002-05-05
; PRIOR APPLICATION NUMBER: US 60/373,160

```
; PRIOR FILING DATE: 2002-04-16
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 27
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-953-264-27

Query Match      5.8%; Score 68; DB 6; Length 525;
Best Local Similarity 22.3%; Pred. No. 5.6;
Matches 43; Conservative 17; Mismatches 74; Indels 60; Gaps 9;

Qy    27  PPGXPE-----IFKC--RSPNKETFTCWRRPCTDGLTNYSLYHREGETLMECEPDYI 79
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
Db    175  PFGLSRADSWILNCFSRPDPASVHVHWRGQRVPVRPSPHHHUAESFLFLPVSPM 234
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
Qy    80  TGGNSCHFGKQYTSWRY-----IMVNATQMGSFSDELYVDVTYIVQPDPPL-- 131
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
Db    235  DSGPWGIL-----TYRDGFNVSIWYNITVLG-----LEPTPLTVY 271
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
Qy    132 -----LAVEVKQPEDRKPYWIWKWSPP-----TLIDLKTGMFTLLYEIRLKPKAAE 178
      :     :     :     :     :     :     :     :     :     :
Db    272  AGAGSRVGLPCRLPAGVGTRSFUTAKWTTPGGGPDLVLTGNGDGFTL----RLEDVSQAQ 327
      :     :     :     :     :     :     :     :     :     :
Qy    179 -----WEIHFAQQQ 187
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
Db    328  AGVTTCIH-LQEQQ 341
      |||   |||   |||   |||   |||   |||   |||   |||   |||   |||
```

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RESULT 14
US-10-953-264-28
; Sequence 28, Application US/10953264
; GENERAL INFORMATION:
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: PAUL POLAKIS
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5023R1-US
; CURRENT APPLICATION NUMBER: US/10/953.264
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/411,010
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/378,885
; PRIOR FILING DATE: 2002-05-05
; PRIOR APPLICATION NUMBER: US 60/373,160
; PRIOR FILING DATE: 2002-04-16
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 28
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-953-264-28

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Query Match	5.8%;	Score 68;	DB 6;	Length 525;
Best Local Similarity	22.3%;	Pred. NO. 5.6;		
Matches	43;	Conservative 17;	Mismatches 74;	Indels 60; Gaps 9;

Qy	27	PGKPE-----IFKC-RSNKETFICWRPGTGGLPNYSLTVHREGETLMEHCEPDYI	79
Db	175	PPGSLRASDWVILNCFSFSDRDASVHVFNRNGQGRVPVRESPPHHLAESFLFPQVSPM	234
Qy	80	TGGNSCHFCQKQYTSMWRY-----IMVNATQMGSSFSDELYVDVYIYVQPPDPLE--	131
Db	235	DSGPWCIL-----TVRDGFNVSIWYNTLVLG-----LEPPTPLTVY	271
Qy	132	-----LAVEVQKPEDAKPILWIKWSP-----TLIDLKTGMFTLLYEYELKPEKAE	178
Db	272	AGASRGVLPORLPAGVGTNRSTFATKATPPGGPOLLTVTGNGDFTL-----LEDEVQAQ	327

Qy	179	----	WEIHFAGQ	187
Db	328	AGTYTCHIH	LOEQ	341

```

RESULT 15
US-10-765-727-23
; Sequence 23, Application US/10765727
; GENERAL INFORMATION:
; APPLICANT: BODMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY
; FILE REFERENCE: 674525-2010
; CURRENT APPLICATION NUMBER: US/10/765,727
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: PCT/GE02/03426
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: GB 0118153.6
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: GB 0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB 0212282.8
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB 0212283.6
; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 23
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-765-727-23

```